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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/652,320	09/02/2003	Kazuya Uenishi	Q77235	1733
23373 75	90 07/16/2004		EXAMINER	
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.			WALKE, AMANDA C	
SUITE 800			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20037			1752	
			DATE MAILED: 07/16/2004	1

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
Office Action Summany	10/652,320	UENISHI ET AL.				
Office Action Summary	Examiner	Art Unit				
The MAN INO DATE CHI	Amanda C Walke	1752				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period where the period for reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ARANDONE.	nely filed s will be considered timely. the mailing date of this communication. D. (35.U.S.C. 8.133)				
Status						
1)⊠ Responsive to communication(s) filed on <u>02 Se</u>	eptember 2003					
	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ☐ Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) 10-15 is/are allowed. 6) ☐ Claim(s) 1,2,4 and 7-9 is/are rejected. 7) ☐ Claim(s) 3,5 and 6 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or						
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the d Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examiner	pted or b) objected to by the E rawing(s) be held in abeyance. See on is required if the drawing(s) is obje	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign p a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list o	have been received. have been received in Application by documents have been received (PCT Rule 17.2(a)).	on No d in this National Stage				
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>9/2/03</u>. 	4) Interview Summary (Interview	e				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1, 2, 4, and 7-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Gonsalves et al (WO 02/073308).

Gonsalves discloses a high resolution polymeric resist comprising a monomer having in its side chain a structure meeting the limitations of the instant claims 1 and 2 (see the POSS formula). The resist comprises this monomer in an amount meeting the instant claim 4. The resist further comprises a surfactant and a solvent. The photoacid generators of the reference include sulfonium compounds disclosed by the instant specification, and are thus capable of generating acid by heat. Therefore, the instant claims 1, 2, 4, and 7-9 are anticipated by the reference.

Allowable Subject Matter

3. Claims 3, 5, and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art of record fails to teach or suggest to one of ordinary skill in the art to prepare the material of the instant claim 1 wherein the material comprises a monomer meeting

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the structural limitations of the instant claim 3, or wherein the composition comprises a crosslinking agent.

2. The following is a statement of reasons for the indication of allowable subject matter: The instant claims 10-15 are indicated as containing allowable subject matter as the prior art of record fails to teach or suggest a two layer resist method including etching steps..

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amanda C Walke whose telephone number is 571-272-1337. The examiner can normally be reached on M-R 5:30-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on 571-272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

aprandā C Walke Examiner

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ACW June 24, 2004